In the Claims

The status of claims in the case is as follows:

1.   1.   [Currently amended]   A method for operating a <u>Telnet</u>

2.   client to establish a network connection with a server,

3.   comprising the steps of:

4.   negotiating environment parameters for establishing a

5.   connection-oriented connection with said server;

6.   said parameters including a request for said server to

7.   provide a confirmation record containing descriptive

8.   information about a connection which is held for the

9.   duration of a file transfer or dialog<u>, said</u>

10.   <u>confirmation record selected from a set consisting of a</u>

11.   <u>success response record and an error response record,</u>

12.   <u>both said response records including diagnostic</u>

13.   <u>information describing connection status including a</u>

14.   <u>response code and a device name requested by said</u>

15.   <u>client</u>; and

16.   responsive to said request, receiving said confirmation

17   record.

1   2.   [Currently amended]   The method of claim 1, said

2   request being ~~an implicit~~ implied from a specific request to

3   connect a virtual printer device.

1   3.   [Currently amended]   The method of claim 1, said

2   request being ~~an explicit~~ a specific request for a

3   confirmation record in connection with a request to connect

4   a virtual display device.

1   4.   [Currently amended]   The method of claim 1, said

2   confirmation record including a device name requested by

3   said client and assigned by said server to said client

4   connection.

1   5.   [Original]   The method of claim 4, said confirmation

2   record including a response code indicative of the cause of

3   a failed connection.

1   6.   [Original]   The method of claim 5, responsive to said

2   response code, retrying said negotiating step.

1   7.   [Currently amended]   The method of claim 1, ~~said client~~

2   ~~being a Telnet client, and~~ said negotiating step including

3   negotiating new environment and ~~terminal type~~ confirmation

4   record parameters.

1   8.   [Currently amended]   A method for operating a server in

2   a network, comprising the steps of:

3   receiving a connection request from a client;

4   inviting said client to negotiate environment

5   parameters;

6   responsive to client acceptance, negotiating said

7   parameters;

8   assigning a virtual device name requested by said

9   client to said client; and

10 responsive to receiving a request for a confirmation

11 record, providing to said client a confirmation record

12 containing descriptive information about a connection

13 which is held for the duration of a file transfer or

14 dialog ~~including~~ <u>consisting of</u>, for a successful

15 connection, <u>a success response code and diagnostic</u>

16 <u>information including</u> said virtual device name and, for

17 an unsuccessful connection, [[a]] <u>diagnostic</u>

18 <u>information including an error</u> return code indicative

19 of the cause of failure of said connection.

1   9.   [Currently amended] A system, comprising:

2   a client;

3   a server;

4   a connection network for interconnecting said client

5   and server <u>according to a connection oriented</u>

6   <u>client/server protocol in which a connection is</u>

7   <u>initiated and held for duration selectively of a file</u>

8   <u>transfer and a dialog</u>; and

9   said server selectively operable at the application

10   level responsive to a request for a confirmation record

11   containing descriptive information about a connection

12   which is held for the duration of a file transfer or

13   dialog from said client during negotiations for a

14   connection oriented connection for providing [[in]]

15   said confirmation record to said client, said

16   confirmation record selected from a set consisting of a

17   success response record and an error response record,

18   both said records having a return code and including,

19   for a successful connection, a virtual device name

20   requested by said client and assigned by said server to

21   said client and, for an unsuccessful connection, [[a]]

22   said return code being indicative of a cause of failure

23   of said connection.

10.   [Original]   The system of claim 9, said server being a
Telnet server and said client a Telnet client.

1   11.   [Original]   The system of claim 10, said connection

2   oriented protocol being a Telnet protocol according to which

3   new environment parameters including an express or implicit

4   request for said confirmation record may be negotiated.

1   12.   [Currently amended]   A program storage device readable

2   by a machine, tangibly embodying a program of instructions

3   executable by a machine to perform method steps for

4   operating a client to establish a network connection with a

5   server according to a connection oriented client/server

6   protocol in which a connection is initiated and held for

7   duration selectively of a file transfer and a dialog

8   session, said method steps comprising:

9   negotiating environment parameters for establishing a

10   connection-oriented connection with said server;

11   said parameters including a request for said server to

12   provide a status record; and

13   responsive to said request, receiving said status

14   record;

15   said status record consisting of one of an error

16   response and a success response, each said response

17   consisting of diagnostic information including device

18   name requested by said client and a response code

19   selectively consisting of an error response code and a

20   success response code,.

1   13.   [Currently amended] A program storage device readable

2   by a machine, tangibly embodying a program of instructions

3   executable by a machine to perform method steps for

4   operating a server in a network according to a connection

5   oriented client/server protocol in which a connection is

6   initiated and held for duration selectively of a file

7   transfer and a dialog session, said method steps comprising:

8   receiving a connection request from a client;

9   inviting said client to negotiate environment

10   parameters;

11   responsive to client acceptance, negotiating said

12   parameters;

13   assigning a virtual device name requested by said

14   client to said client; and

15   responsive to receiving a request for a status record,

16   providing to said client a status record ~~including~~

17   <u>consisting of diagnostic information including a return</u>

18   <u>code including diagnostic information describing</u>

19   <u>connection status and</u>, for a successful connection,

20   said virtual device name and, for an unsuccessful

21   connection, [[a]] <u>said</u> return code indicative of the

22   cause of failure of said connection.

1   14.   [Currently amended]   A computer program product ~~or~~

2   ~~computer program element~~ for operating a client to establish

3   a network connection with a server <u>in a connection oriented</u>

4   <u>client/server protocol in which a connection is initiated</u>

5   <u>and held for duration selectively of a file transfer and a</u>

6   <u>dialog session</u>, ~~according to method steps~~ <u>said computer</u>

7   <u>program product</u> comprising:

8   <u>a computer readable medium;</u>

9   <u>first program instructions for</u> negotiating environment

10   parameters for establishing a connection-oriented

11   connection with said server;

12   said parameters including a request for said server to

13   provide a status record; and

14   <u>second program instructions,</u> responsive to said

15   request, <u>for</u> receiving said status record<u>;</u>

16   <u>said status record consisting of diagnostic information</u>

17   <u>including device name requested by said client and</u>

18   <u>connection status according to one of an error response</u>

19   <u>code and a success response code; and wherein</u>

20   <u>said first and second program instructions are recorded</u>

21   <u>on said computer readable medium.</u>

1   15.   [Currently amended]   A computer program product~~—or~~

2   ~~computer program element~~ for operating a server in a network

3   according to <u>a connection oriented client/server protocol in</u>

4   <u>which a connection is initiated and held for duration</u>

5   <u>selectively of a file transfer and a dialog session,</u> said

6   <u>computer program product</u> ~~method steps~~ comprising:

7   <u>a computer readable medium;</u>

8   first program instructions for receiving a connection

9   request from a client;

10   second program instructions for inviting said client to

11   negotiate environment parameters;

12   third program instructions, responsive to client

13   acceptance, for negotiating said parameters;

14   fourth program instructions for assigning a virtual

15   device name requested by said client to said client;

16   and

17   fifth program instructions, responsive to receiving a

18   request for a status record, for providing to said

19   client a status record ~~including~~ consisting of a

20   response code and, for a successful connection, said

21   virtual device name and, for an unsuccessful

22   connection, [[a]] said return code indicative of the

23   cause of failure of said connection; and wherein

24   said first, second, third, fourth, and fifth program

25   instructions are recorded on said computer readable

26   medium.